

California High-Speed Rail Authority



RFP No.: HSR 13-57

**Request for Proposal
for Design-Build Services for Construction Package 2-3**

Reference Materials, Part A.5 – CVIN SR43

RFP No. 13-57 - Addendum No. 3 - 07/31/2014

TOTAL EXCAVATION: 35,703 LF		
BORE	3,120	LF
ASPHALT CUT	0	LF
DIRT CUT	32,583	LF
S/W R&R	0	SF
BORE PITS (PAVEMENT)	0	
POTHOLES (PAVEMENT)	0	
TOTAL NO. OF HANDHOLES	0	

GENERAL CONSTRUCTION NOTES:

- ALL MATERIAL TO BE SUPPLIED TO STAGING AREA PRIOR TO CONSTRUCTION START.
- MATERIAL TO BE INSPECTED BY CONTRACTOR AND CVIN REPRESENTATIVE TO ENSURE QUALITY OF MATERIALS.
- CONTRACTOR AND CVIN REPRESENTATIVE TO WALK PROJECT AND AGREE ON TRENCH LOCATIONS, BORE LOCATIONS AND HANDHOLE/MANHOLE LOCATION PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR TO INSTALL PER CVIN SPECIFICATIONS AND DETAILS ATTACHED.
- CVIN REPRESENTATIVE TO BE PRESENT TO INSPECT WORK PERFORMED FOR CVIN.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTOR TO CONTACT CVIN REPRESENTATIVE AND SCHEDULE A DATE AND TIME FOR CVIN REPRESENTATIVE TO WATCH CONTRACTOR MANDREL ALL SDR-11 TO ENSURE PROPER INSTALLATION USING AN APPROVED SIZE MANDREL.
- CONTRACTOR TO PLUG ALL CONDUITS PLACED USING SUPPLIED CONDUIT PLUGS.
- ALL WORK WITHIN THE STATE RIGHT OF WAY SHALL CONFORM TO CALTRANS LATEST STANDARD PLANS AND SPECIFICATION.
- (LEFT BLANK INTENTIONALLY)
- SIGNING AND STRIPING SHALL CONFORM TO THE CALIFORNIA MUTCD, STANDARD PLANS AND SPECIFICATION.
- ALL SIGNS SHALL BE REFLECTORIZED.
- CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- NO EQUIPMENT OR MATERIALS SHALL BE STORED ON THE ROAD SURFACE DURING NON-WORKING PERIODS UNLESS IT IS ALLOWED BY A CALTRANS ENGINEER IN WRITING.
- NO EQUIPMENT OR MATERIALS SHALL BE STORED ON THE SIDEWALK AT ANY TIME.
- EXCAVATION MATERIALS SHALL BE STORED AWAY FROM PAVED ROADWAY WHENEVER POSSIBLE. ALL SPILLED MATERIAL IS TO BE REMOVED TO AVOID SUPPLY CONDITIONS.
- EXISTING SIGNS, DELINEATORS, GUARDRAILS, MARKERS, TREES, SHRUBS, FENCES, WALKS, STEPS, ETC. THAT ARE DISTURBED BY THIS CONSTRUCTION SHALL BE PLACED OR RESTORED TO THEIR ORIGINAL CONDITION OR TO THE SATISFACTION OF THE ADJACENT PROPERTY OWNERS AND THE CALTRANS ENGINEER.
- PERMITTEE SHALL SECURE A STREET OPENING PERMIT FROM CALTRANS PRIOR TO COMMENCEMENT OF WORK. ALL WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE DONE UNDER A SINGLE STREET OPENING PERMIT.
- SLURRY SEAL SHALL BE REQUIRED ON ALL NEW PAVEMENT FOR TRENCHES AND SHALL EXCEED TWELVE INCHES BEYOND THE LIMIT OF PAVEMENT RECONSTRUCTION UNLESS IT IS NOT REQUIRED BY CALTRANS ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ALL STREET MONUMENTS, LOT CORNER PIPES, AND GRADE STAKES DISTURBED DURING THE PROCESS OF CONSTRUCTION AT THE REGULAR ENGINEER'S FEE.
- CONTRACTORS SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP MUD AND DEBRIS OFF THE PUBLIC RIGHT OF WAY AT ALL TIMES.
- ALL SIDEWALK, CURB AND GUTTER SHALL BE REMOVED AND REPLACED TO THE NEAREST SCORE MARK OR AS DIRECTED BY THE CALTRANS ENGINEER. INSTALLATION OF NEW SIDEWALK, CURB AND GUTTER AGAINST EXISTING IMPROVEMENTS MAY REQUIRE A SIDEWALK CONTACT JOINT (DOWELS REQUIRED) IF DIRECTED BY CALTRANS ENGINEER.
- ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES AND WARNING SIGNS SHALL BE INSTALLED PURSUANT TO THE LATEST EDITIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, SIGN SPECIFICATION SHEETS, AND THE 2012 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- EACH ADVANCE WARNING SIGN IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS FOR DAYTIME CLOSURE. EACH FLAG SHALL BE AT LEAST 16"X16" IN SIZE AND SHALL BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR.
- FLASHING BEACONS SHALL BE PLACED AT LOCATIONS INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
- ALL CONES USED FOR LANE CLOSURES DURING THE HOURS OF DARKNESS SHALL BE FITTED WITH RETROREFLECTIVE BANDS (OR SLEEVES) AS SPECIFIED IN THE SPECIFICATIONS.
- PORTABLE DELINEATORS, PLACED AT ONE-HALF THE SPACING INDICATED FOR TRAFFIC ONCES, MAY BE USED INSTEAD OF CONES FOR DAYTIME CLOSURES ONLY.
- FLAGGER SHOULD STAND IN A CONSPICUOUS PLACE, BE VISIBLE TO APPROACHING TRAFFIC AS WELL AS APPROACHING VEHICLES. AFTER THE FIRST VEHICLES HAS STOPPED, DURING THE HOURS OF DARKNESS, THE FLAGGING-STATION AND FLAGGER SHALL BE ILLUMINATED AND CLEARLY VISIBLE TO APPROACHING TRAFFIC. THE ILLUMINATION FOOTPRINT OF THE LIGHTING ON THE GROUND SHALL BE AT LEAST 20' IN DIAMETER. PLACE A MINIMUM OF FOUR CONES AT 50' INTERVALS IN ADVANCE OF FLAGGER STATION AS SHOWN.
- SIGNS THAT WILL BE IN PLACE FOR MORE THAN 5 (FIVE) CALENDAR DAYS SHALL BE INSTALLED ON METAL OR WOOD POSTS.

CONTRACTOR NOTICE:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY FIELD INSPECTION AND A SEARCH OF THE AVAILABLE CALTRANS. SINCE THE ACTUAL LOCATION AND NATURE OF THE UNDERGROUND FACILITIES MAY BE SOMEWHAT DIFFERENT FROM THAT SHOWN, THE CONTRACTOR IS REQUIRED TO VERIFY THE INFORMATION, THROUGH UNDERGROUND SERVICE ALERT (USA) OR BY CONTACTING THE UTILITY COMPANIES DIRECTLY, PRIOR TO EXCAVATION. CONTRACTOR TO POSITIVELY LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION

RIGHT OF WAY

THE RIGHT OF WAY DATA AS SHOWN WAS DERIVED FROM CALTRANS RECORD DRAWINGS. NO FIELD BOUNDARY SURVEY WAS CONDUCTED.

CONSTRUCTION CENTERLINE

THE STATIONING AND CONSTRUCTION CENTERLINE AS SHOWN ARE BASED ON CALTRANS RIGHT OF WAY MAPS.

CALTRANS GENERAL NOTES

- ALL CONSTRUCTION FROM THESE PLANS WITHIN THE STATE'S RIGHT-OF-WAY SHALL CONFORM TO THE STATE'S 2010 STANDARD SPECIFICATIONS AND STANDARD PLANS, 2012 CALIFORNIA MUTCD, AND/OR AS DIRECTED BY THE STATE REPRESENTATIVE
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR COORDINATION OF THE FOLLOWING ITEMS RELATED TO THE NEW INSTALLATION:
 - ALL CONTROLLING FIELD DIMENSIONS, BEFORE ORDERING OR FABRICATING CONSTRUCTION MATERIAL.
 - ALL DIMENSIONS AND CONDITIONS AT THE SITE, NOTIFYING THE ENGINEER OF ANY DISCREPANCIES WITH THE PLANS, PRIOR TO THE START OF THE CONSTRUCTION.
 - AND CONDITION WHICH IN THE CONTRACTORS OPINION MIGHT ENDANGER THE STABILITY OF ANY STRUCTURE, ADJACENT IMPROVEMENTS AND/OR PUBLIC PROPERTY.
 - THE LOCATION AND PROTECTION OF EXISTING UTILITIES IN THE VICINITY OF THE PROJECT. THE CONTRACTOR SHALL EXAMINE THE JOB SITE TO DETERMINE WHICH UTILITIES MAY BE AFFECTED BY THIS CONSTRUCTION.
 - THE LOCATION AND PROTECTION OF ALL CONDUITS INTERFERING WITH THE NEW INSTALLATION
 - THE PROPER ALIGNMENT OF THE NEW INSTALLATION
- THE CONTRACTOR SHALL DESIGN, OBTAIN THE REQUIRED PERMIT, FURNISH AND INSTALL ALL THE TEMPORARY SHORING, UNDERPINNING AND BRACING REQUIRED TO SAFELY EXECUTE THE WORK AND PROTECT PUBLIC PROPERTY AND EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL PROVIDE AND INSTALL APPROPRIATE SIGNS AND ADEQUATE WARNING DEVICES TO ADVISE THE PUBLIC OF CONSTRUCTION HAZARDS AND SHALL REMOVE ALL SUCH SIGNS AND DEVICES UPON COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF THE PROJECT. THE REQUIREMENT IS NOT LIMITED TO THE NORMAL WORKING HOURS. THE CONTRACTOR SHALL INDEMNIFY AND HOLD CALTRANS AND THE DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACTORS WORK ON THE PROJECT.
- THE DESIGN ENGINEER DOES NOT WARRANT THE ACCURACY OF THE SCALED DIMENSIONS. ALL DIMENSIONS SHALL BE AS DESIGNATED ON THE PLANS.
- BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT INQUIRY I.D. NUMBER BY CALLING 1-800-422-4133. TWO WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT THE UTILITY OWNERS CAN BE NOTIFIED. THE I.D. NUMBER MUST BE REPORTED WHEN CALLING FOR INSPECTION. THE I.D. NUMBER WILL NOT BE ISSUED MORE THAN 14 DAYS PRIOR TO THE STARTING OF EXCAVATION WORK.
- ALL CONSTRUCTION SHALL CONFORM TO THE SAFETY REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY. NO TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND SHALL BE CONSTRUCTED WITHOUT THE NECESSARY PERMIT FROM THE CAL/OSHA. WORK INSIDE BRIDGE CELLS SHALL BE SUBJECT TO ALL SAFETY REQUIREMENTS FROM CAL/OSHA.
- ALL DEBRIS AND CONSTRUCTION MATERIAL SHALL BE REMOVED FROM THE SITE AT THE END OF THE WORK SHIFT.
- IF ANY DAMAGE IS CAUSED BY THE CONTRACTOR'S OPERATION, HE SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE DAMAGED FACILITIES PROMPTLY AND IN ACCORDANCE WITH STATE SPECIFICATIONS AND/OR AS DIRECTED BY THE STATE REPRESENTATIVE.
- ALL ROADWAY FEATURES (SIGNS, PAVEMENT DELINEATION, ROADWAY SURFACE, RIGHT-OF-WAY FENCE, ETC.) WITHIN THE STATE RIGHT-OF-WAY MUST BE PROTECTED, MAINTAINED IN A TEMPORARY CONDITION, OR RESTORED.
- ALL TRENCHES AND EXCAVATIONS MUST BE BACKFILLED OR STEEL PLATED OUTSIDE THE WORKING HOURS TO RESTORE TRAFFIC TO NORMAL CONDITIONS.
- WHEN THE UNDERGROUND INSTALLATION IS PERMITTED INSIDE THE CLEAR RECOVERY ZONE, THE MINIMUM DEPTH OF COVER IS 42", WITH THE MINIMUM COMPACTION RATE OF 90% STRICTLY ENFORCED, OUTSIDE THE PAVED AREA.
- WHEN APPLYING FOR A DOUBLE PERMIT, THE CONTRACTOR SHALL VERIFY AND POSITIVELY IDENTIFY ALL HIGH AND LOW RISK (PROVIDE HORIZONTAL AND VERTICAL POSITION), VERTICAL AND HORIZONTAL DISTANCES OF EXCAVATIONS TO UTILITIES MUST BE SHOWN ON THE PLANS. DEMONSTRATE COMPLIANCE WITH CALTRANS HIGH/LOW RISK POLICY.

ENVIRONMENTALLY SENSITIVE AREAS (ESA) LEGEND

- | | |
|--------------|---|
| RUDERAL | CONTACT A BIOLOGICAL MONITOR. IF APPROPRIATE BURROWS ARE KNOWN TO OCCUR IN THE AREA APPROPRIATE AVOIDANCE MEASURES MUST BE IMPLEMENTED. |
| AGRICULTURAL | CONTACT A BIOLOGICAL MONITOR. BEFORE WORK STARTS IN THE AREA. |
| ALKALI SCRUB | CONTACT A BIOLOGICAL MONITOR. WORK IS TO OCCUR WITHIN 2 FT. OF PAVEMENT. |
| GRASSLAND | CONTACT BIOLOGICAL MONITOR. IF APPROPRIATE BURROWS ARE KNOWN TO OCCUR IN THE AREA, APPROPRIATE AVOIDANCE MEASURES MUST BE IMPLEMENTED. |
| VERNAL POOL | FENCE WHEN POSSIBLE/AVOID/ CONTACT A BIOLOGICAL MONITOR WHEN WORKING NEARBY |

CVIN, LLC CENTRAL VALLEY NEXT GENERATION BROADBAND INFRASTRUCTURE PROJECT (SEGMENT 15) INSTALLATION OF BROADBAND CONDUIT KINGS COUNTY SR 43 BETWEEN KANSAS AVE AND ORANGE AVE.



VICINITY MAP

NOT TO SCALE

GRAPHICAL SHEET INDEX



Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
6	KIN	43	2.54-10.36	1	24

UNDERGROUND SERVICE ALERT



Know what's below.
Call before you dig.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

SPECIAL NOTE:

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

CONTRACTOR SHALL NOTIFY "USA" (UNDERGROUND SERVICE ALERT) AT 811, TWO WORKING DAYS BEFORE COMMENCING EXCAVATION AND ALL UTILITY AUTHORITIES OR UTILITY COMPANIES HAVING POSSIBLE INTEREST IN THE WORK, OF CONTRACTOR'S INTENTION TO EXCAVATE PROXIMATE TO EXISTING FACILITIES, AND CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITIES WITHIN THE WORK AREA.

SHEET INDEX

COVER SHEET	1
DETAIL SHEET	2
EXCAVATION PLAN	3-16
EROSION CONTROL NOTES	17
EROSION CONTROL PLANS	18-24

LEGEND

EXISTING UTILITIES NOT POSITIVELY LOCATED

CALTRANS PERMIT NO. _____



**YAMABE & HORN
ENGINEERING, INC.**

Ref. & Rev.

2895 N. BURL AVENUE
SUITE 101
FRESNO, CA 93727

Tel (559) 244-3123
Fax (559) 244-3120

APPLICANT:



AGENCY/CITY

CALTRANS
DISTRICT 6

PERMIT TRACKING NUMBER:
06-11-688-0893

SR 43 BETWEEN KANSAS AVE & ORANGE

Dr. By: JP

Ch. By: DH

Date: 06/28/12

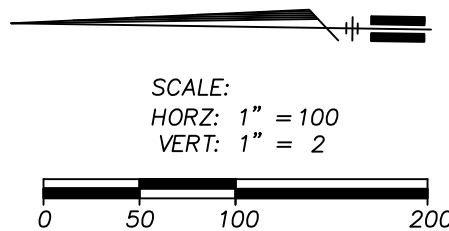
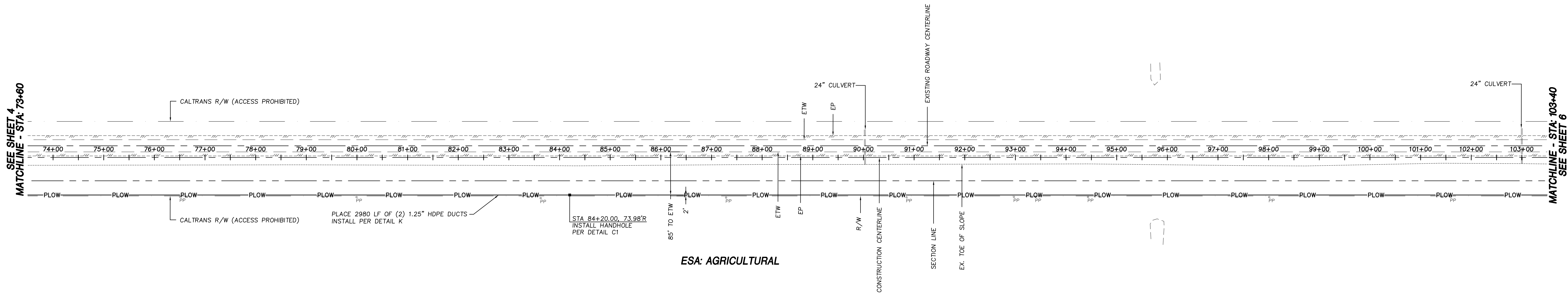
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YH Job No. 12-130

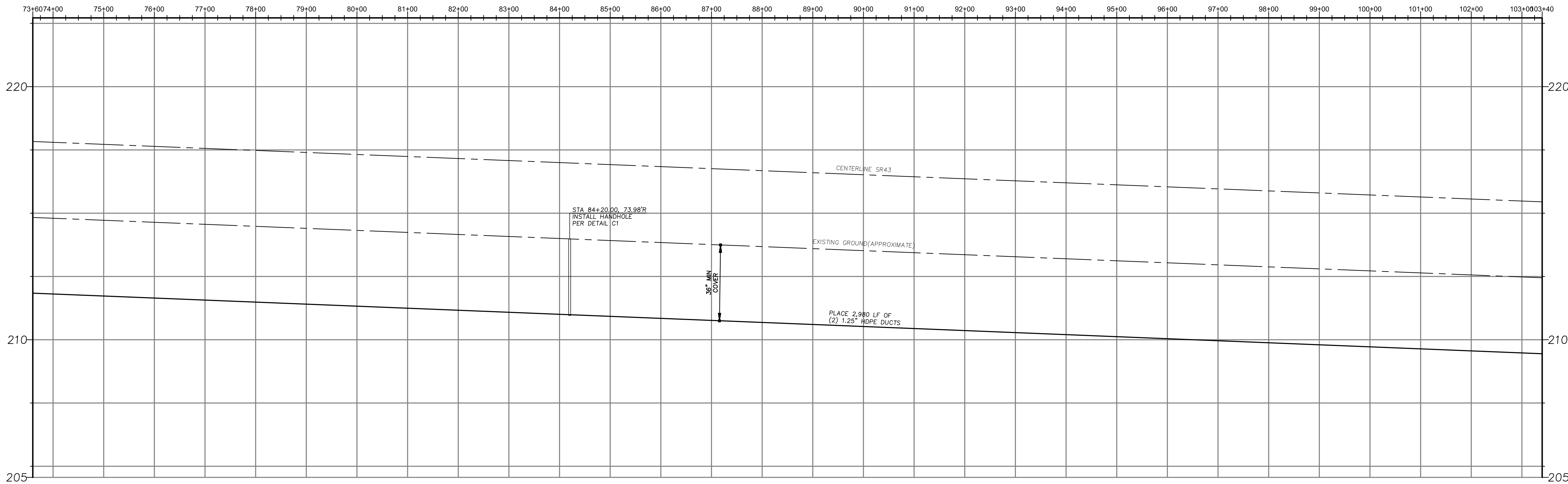
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of 24 Sheets

Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
6	KIN	43	2.54-10.36	5	24



STATE ROUTE 43



LEGEND

PROPOSED WORK

TR

BORE

4IN BORE

PLOW

PROPOSED TRENCH INSTALLATION

PROPOSED DIRECTIONAL BORE

PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT

PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K

BORE PIT (SEE DETAIL A)

RECEIVING BORE PIT (SEE DETAIL A)

PROPOSED HANDHOLE

PLACE (INSTALL NEW)

EXISTING FACILITIES

PP

MH

PED

F/H

WV

SIG

SL

MTR

UTILITY POLE

MANHOLE

PEDESTAL

FIRE HYDRANT

VALVE

TRAFFIC SIGNAL

STREET LIGHT

METER

(E)

(T)

(G)

(SD)

(W)

(RR)

(SS)

=====

+++++

ELECTRIC

TELEPHONE

GAS

STORM DRAIN

WATER

IRRIGATION LINE

SANITARY SEWER

CENTERLINE

RIGHT OF WAY

EDGE OF PAVEMENT

CURB & GUTTER

RAILROAD

C/L

R/W

EP

C&G

R/R

CRZ

BCF

FCF

CONC

EX

BP

RP

TR

CENTER LINE

RIGHT OF WAY

EDGE OF PAVEMENT

CURB & GUTTER

RAILROAD

CLEAR RECOVERY ZONE

BEHIND CURB FACE

FROM CURB FACE

CONCRETE

EXISTING

BORE PIT

RECEIVING PIT

TRENCH

U/G

S/W

D/W

ETW

NB

SB

STL

HPG

CLR

UNDERGROUND

SIDEWALK

DRIVEWAY

EDGE OF TRAVEL WAY

NORTH BOUND LANES

SOUTH BOUND LANES

STREET LIGHT

HIGH PRESSURE GAS

CLEAR

EXISTING UTILITIES NOT POSITIVELY LOCATED

YAMABE & HORN
ENGINEERING, INC.

2985 N. BURL AVENUE
SUITE 101
FRESNO, CA 93727

TEL (559) 244-3123
FAX (559) 244-3120

Ref. & Rev.

APPLICANT:

CALTRANS
DISTRICT 6

PERMIT TRACKING NUMBER:
06-11-688-0883

AGENCY/CITY:

CALTRANS DISTRICT 6

LOCATION:

SR 43 BETWEEN KANSAS AVE & ORANGE

Dr. By: JP

Ch. By: DH

Date: 06/28/12

Scale: As Noted

YH Job No. 12-130

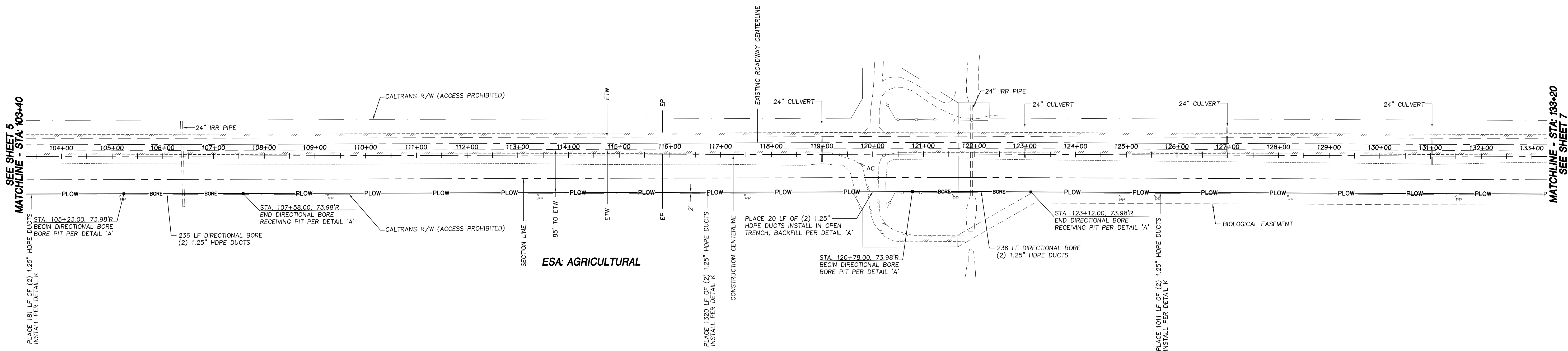
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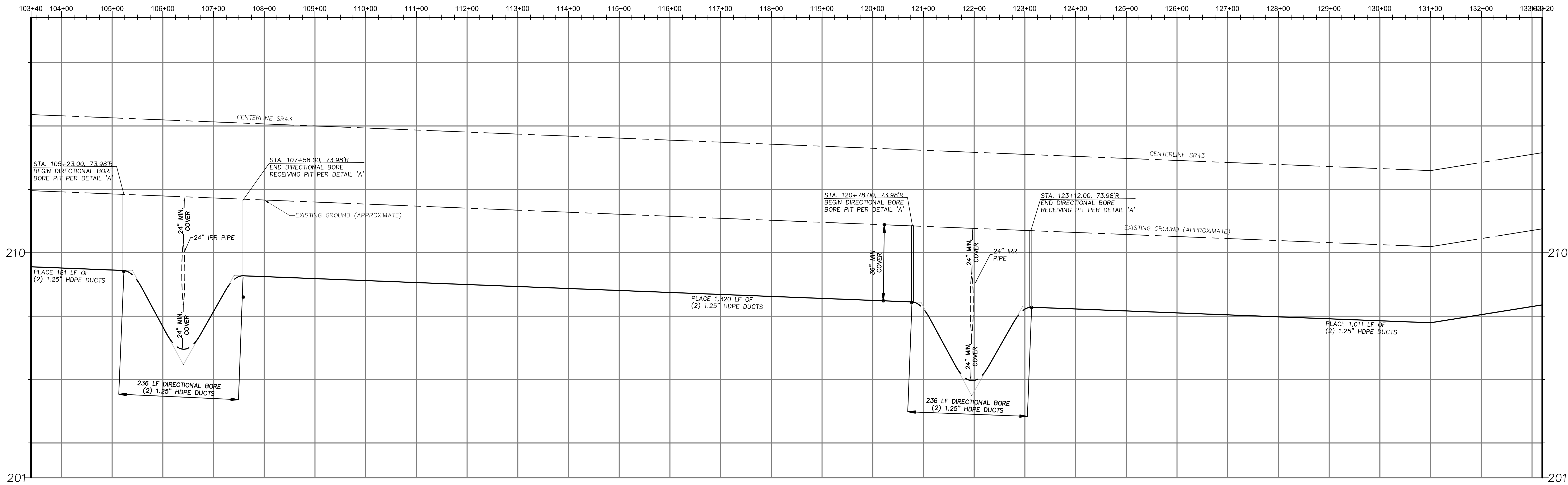
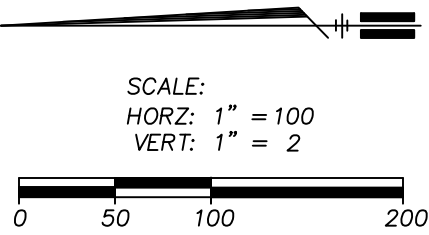
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Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
6	KIN	43	254-10.36	6	24



STATE ROUTE 43



LEGEND

PROPOSED WORK

TR

BORE

4IN BORE

PLOW

PROPOSED TRENCH INSTALLATION

PROPOSED DIRECTIONAL BORE

PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT

PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K

BORE PIT (SEE DETAIL A)

RECEIVING BORE PIT (SEE DETAIL A)

PROPOSED HANDHOLE

PLACE (INSTALL NEW)

EXISTING FACILITIES

PP

MH

PED

F/H

WV

SIG

SL

MTR

UTILITY POLE

MANHOLE

PEDESTAL

FIRE HYDRANT

VALVE

TRAFFIC SIGNAL

STREET LIGHT

METER

(E)

(T)

(G)

(SD)

(W)

(RR)

(SS)

=====

+++++

ELECTRIC

TELEPHONE

GAS

STORM DRAIN

WATER

IRRIGATION LINE

SANITARY SEWER

CENTERLINE

RIGHT OF WAY

EDGE OF PAVEMENT

CURB & GUTTER

RAILROAD

C/L

R/W

EP

C&G

R/R

CRZ

BCF

FCF

CONC

EX

BP

RP

TR

CENTER LINE

RIGHT OF WAY

EDGE OF PAVEMENT

CURB & GUTTER

RAILROAD

CLEAR RECOVERY ZONE

BEHIND CURB FACE

FROM CURB FACE

CONCRETE

EXISTING

BORE PIT

RECEIVING PIT

TRENCH

U/G

S/W

D/W

ETW

NB

SB

STL

HPG

CLR

UNDERGROUND

SIDEWALK

DRIVEWAY

EDGE OF TRAVEL WAY

NORTH BOUND LANES

SOUTH BOUND LANES

STREET LIGHT

HIGH PRESSURE GAS

CLEAR

EXISTING UTILITIES NOT POSITIVELY LOCATED

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Ref. & Rev.

CALTRANS PERMIT NO.

APPLICANT:

CVIN

CENTRAL VALLEY

INDEPENDENT NETWORK

AGENCY/CITY

CALTRANS

DISTRICT 6

PERMIT TRACKING NUMBER:

06-11-688-0893

LOCATION:

SR 43 BETWEEN KANSAS AVE & ORANGE

SYSTEM MAP #:

Dr. By: JP

Ch. By: DH

Date: 06/28/12

Scale: As Noted

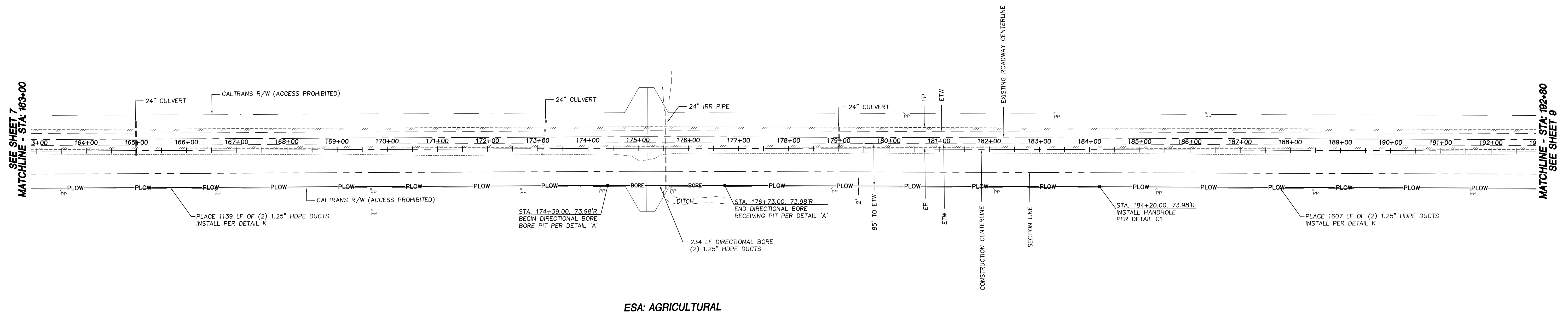
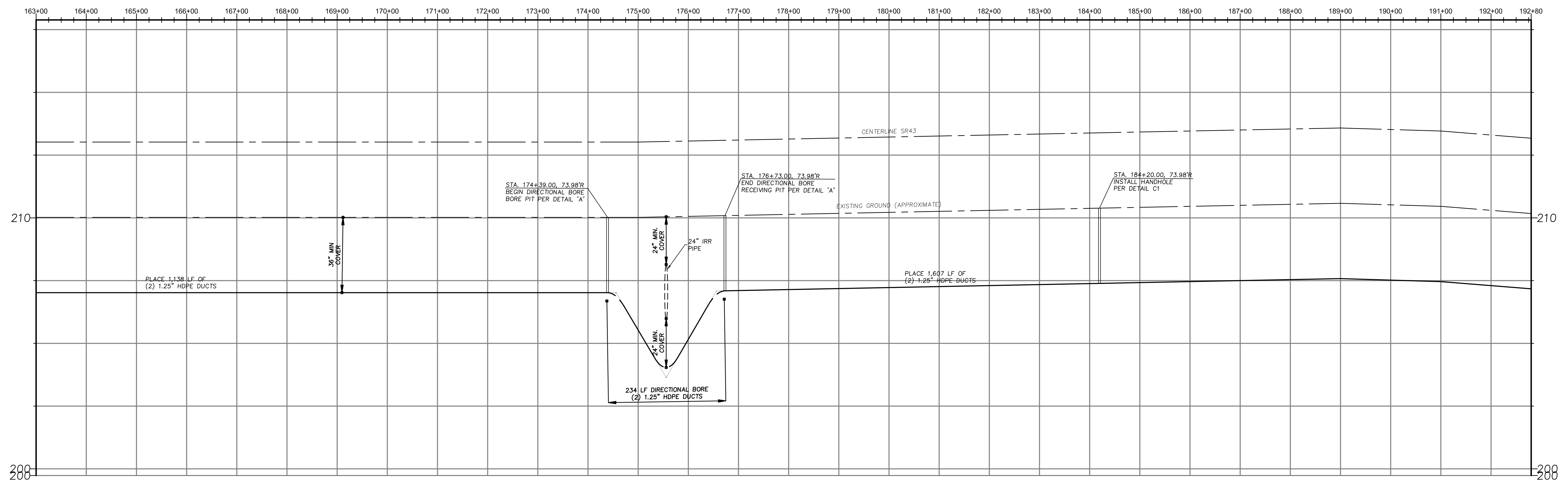
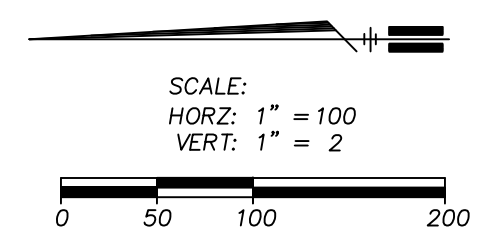
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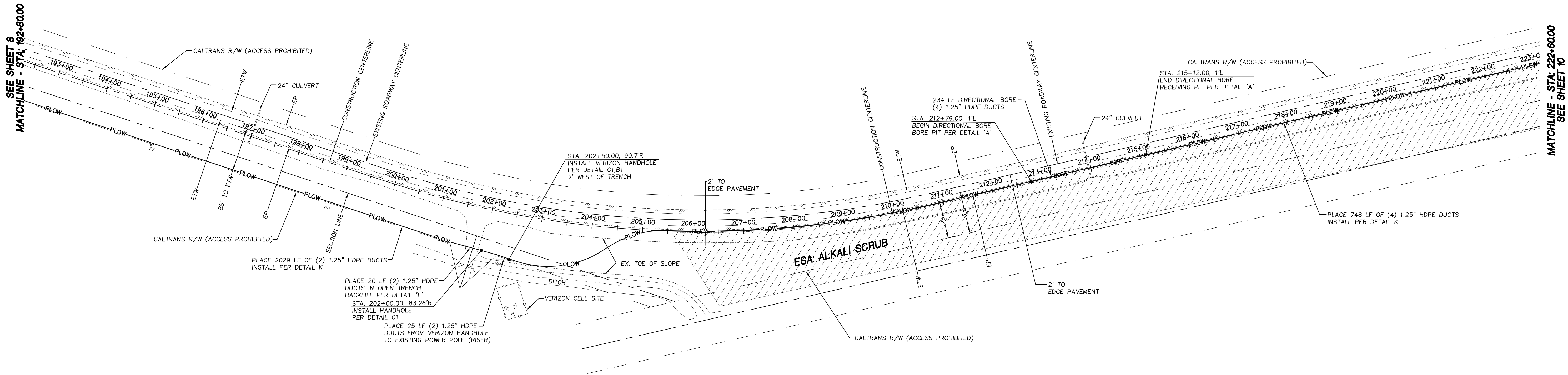
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<i>Dist</i>	<i>County</i>	<i>Route</i>	<i>Postmile Total Project</i>	<i>Sheet No.</i>	<i>Total Sheets</i>
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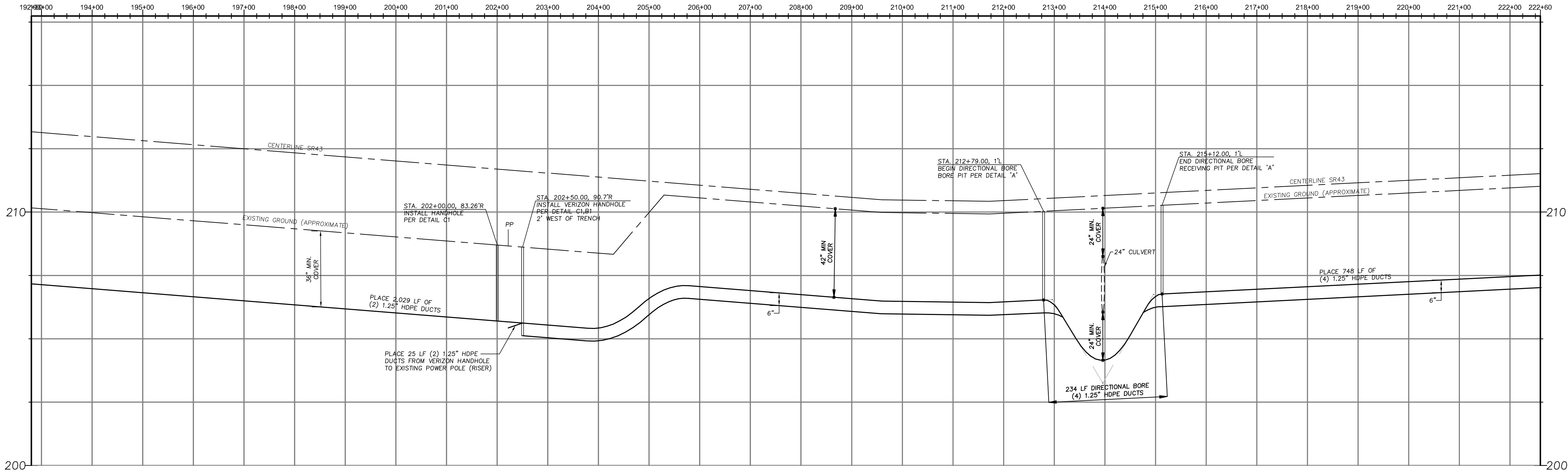
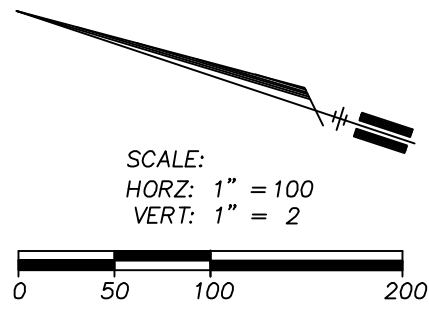
**ESA: AGRICULTURAL**

LEGEND	PROPOSED WORK		EXISTING FACILITIES		--- (E) --- ELECTRIC --- (T) --- TELEPHONE --- (G) --- GAS --- (SD) --- STORM DRAIN --- (W) --- WATER --- (IRR) --- IRRIGATION LINE --- (RS) --- R/R --- (C) --- CENTERLINE --- (R/W) --- RIGHT OF WAY --- (EP) --- EDGE OF PAVEMENT --- (C&G) --- CURB & GUTTER --- (CONC) --- CONCRETE --- (EX) --- EXISTING --- (BP) --- BORE PIT --- (RP) --- RECEIVING PIT --- (TR) --- TRENCH		U/G UNDERGROUND S/W SIDEWALK D/W DRIVEWAY ETW EDGE OF TRAVEL WAY NB NORTH BOUND LANES SB SOUTH BOUND LANES STL STREET LIGHT HPG HIGH PRESSURE GAS CLR CLEAR		EXISTING UTILITIES NOT POSITIVELY LOCATED		CALTRANS PERMIT NO.	
	--- TR --- PROPOSED TRENCH INSTALLATION --- BORE --- PROPOSED DIRECTIONAL BORE --- 4IN BORE --- PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT --- PLOW --- PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K <input type="checkbox"/> BORE PIT (SEE DETAIL A) <input type="checkbox"/> RECEIVING BORE PIT (SEE DETAIL A) <input checked="" type="checkbox"/> PROPOSED HANDHOLE <input type="checkbox"/> PLACE (INSTALL NEW)		<input type="checkbox"/> PP UTILITY POLE <input type="checkbox"/> MH MANHOLE <input type="checkbox"/> PED PEDESTAL <input type="checkbox"/> F/H FIRE HYDRANT <input type="checkbox"/> WV VALVE <input type="checkbox"/> SIG TRAFFIC SIGNAL <input type="checkbox"/> SL STREET LIGHT <input type="checkbox"/> MTR METER									
						</						

Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
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STATE ROUTE 43



LEGEND

PROPOSED WORK

TR

BORE

4IN BORE

PLOW

PL

PROPOSED TRENCH INSTALLATION

PROPOSED DIRECTIONAL BORE

PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT

PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K

BORE PIT (SEE DETAIL A)

RECEIVING BORE PIT (SEE DETAIL A)

PROPOSED HANDHOLE

PLACE (INSTALL NEW)

EXISTING FACILITIES

PP

MH

PED

F/H

WV

SIG

SL

MTR

UTILITY POLE

MANHOLE

PEDESTAL

FIRE HYDRANT

VALVE

TRAFFIC SIGNAL

STREET LIGHT

METER

(T)

(G)

(SD)

(W)

(RR)

(SS)

+

ELECTRIC

TELEPHONE

GAS

STORM DRAIN

WATER

IRRIGATION LINE

SANITARY SEWER

CENTERLINE

RIGHT OF WAY

EDGE OF PAVEMENT

CURB & GUTTER

RAILROAD

C/L

R/W

EP

C&G

R/R

CRZ

BCF

FCF

CONC

EX

BP

RP

TR

CENTER LINE

RIGHT OF WAY

EDGE OF PAVEMENT

CURB & GUTTER

ETW

CLEAR RECOVERY ZONE

BEHIND CURB FACE

FROM CURB FACE

CONCRETE

EXISTING

BORE PIT

RECEIVING PIT

TRENCH

U/G

S/W

D/W

ETW

NB

SB

STL

HPG

CLR

UNDERGROUND

SIDEWALK

DRIVEWAY

EDGE OF TRAVEL WAY

NORTH BOUND LANES

SOUTH BOUND LANES

STREET LIGHT

HIGH PRESSURE GAS

CLEAR

EXISTING UTILITIES NOT POSITIVELY LOCATED

YAMABE & HORN
ENGINEERING, INC.

2985 N. BURL AVENUE
SUITE 101
PERRIS, CA 93727

Tel (559) 244-3123
Fax (559) 244-3120

Ref. & Rev.

CALTRANS PERMIT NO.

APPLICANT:

CVIN

CENTRAL VALLEY
INDEPENDENT NETWORK

AGENCY/CITY

CALTRANS
DISTRICT 6

PERMIT TRACKING NUMBER:

06-11-888-0883

LOCATION:

SR 43 BETWEEN KANSAS AVE & ORANGE

Dr. By: JP

Ch. By: DH

Date: 06/28/12

Scale: As Noted

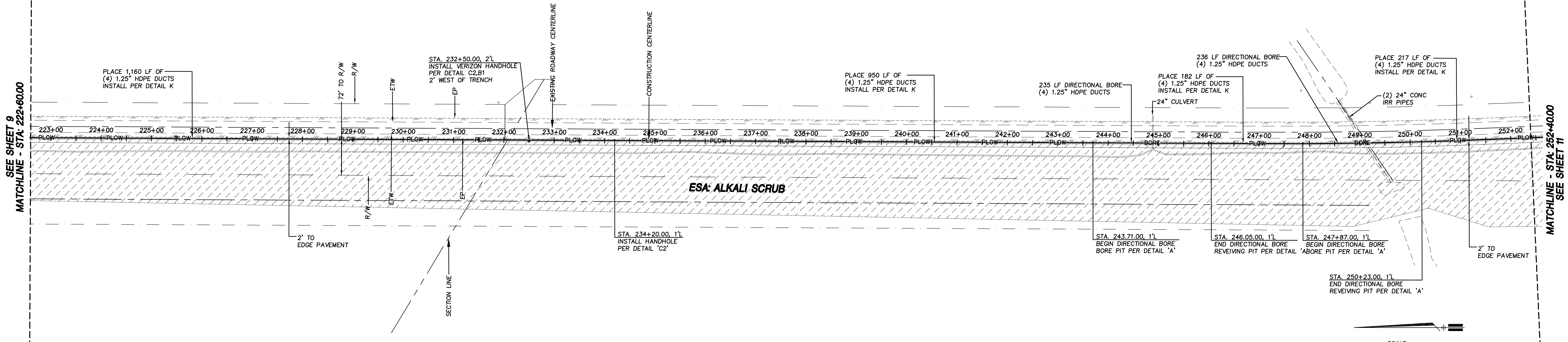
YH Job No. 12-132

Sheet No. 9

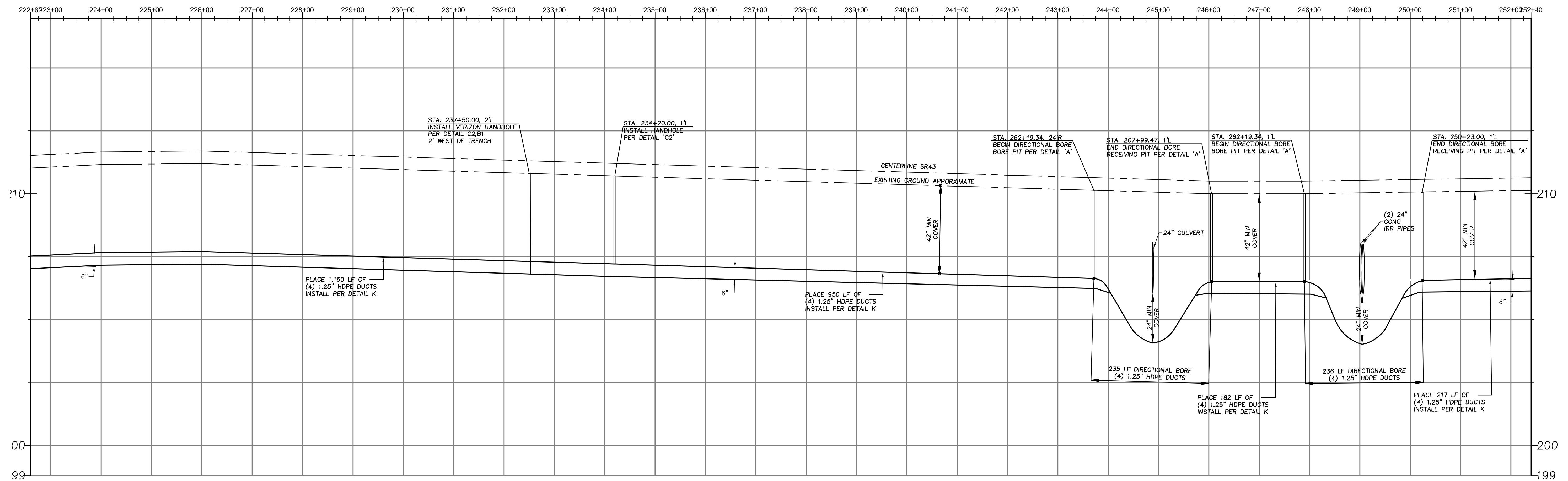
of 24 Sheets

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Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
6	KIN	43	254-10.36	10	24



STATE ROUTE 43



LEGEND

PROPOSED WORK

- TR PROPOSED TRENCH INSTALLATION
- BORE PROPOSED DIRECTIONAL BORE
- 4IN BORE PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT
- PLOW PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K
- RECEIVING BORE PIT (SEE DETAIL A)
- PROPOSED HANDHOLE
- PL PLACE (INSTALL NEW)

EXISTING FACILITIES

- PP UTILITY POLE
- MH MANHOLE
- PED PEDESTAL
- F/H FIRE HYDRANT
- WV VALVE
- SIG TRAFFIC SIGNAL
- SL STREET LIGHT
- MTR METER

- (L) ELECTRIC
- (T) TELEPHONE
- (G) GAS
- (SD) STORM DRAIN
- (W) WATER
- (RR) IRRIGATION LINE
- (SS) SANITARY SEWER
- CL CENTERLINE
- RW RIGHT OF WAY
- EP EDGE OF PAVEMENT
- C&G CURB & GUTTER
- R/R RAILROAD
- CRZ CLEAR RECOVERY ZONE
- BCF BEHIND CURB FACE
- FCF FROM CURB FACE
- CONC CONCRETE
- EX EXISTING
- BP BORE PIT
- RP RECEIVING PIT
- TR TRENCH

- U/G UNDERGROUND
- S/W SIDEWALK
- D/W DRIVEWAY
- ETW EDGE OF TRAVEL WAY
- NB NORTH BOUND LANES
- SB SOUTH BOUND LANES
- STL STREET LIGHT
- HPG HIGH PRESSURE GAS
- CLR CLEAR

EXISTING UTILITIES NOT POSITIVELY LOCATED

Ref. & Rev.

YAMABE & HORN ENGINEERING, INC.

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PERRIS, CA 93727

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CALTRANS PERMIT NO.

APPLICANT: **CVIN**
CENTRAL VALLEY INDEPENDENT NETWORK

AGENCY/CITY: **CALTRANS DISTRICT 6**

PERMIT TRACKING NUMBER: **06-11-888-0883**

LOCATION: **SR 43 BETWEEN KANSAS AVE & ORANGE**

SYSTEM MAP #:

Dr. By: **JP**

Ch. By: **DH**

Date: **06/28/12**

Scale: **As Noted**

YH Job No. **12-1302**

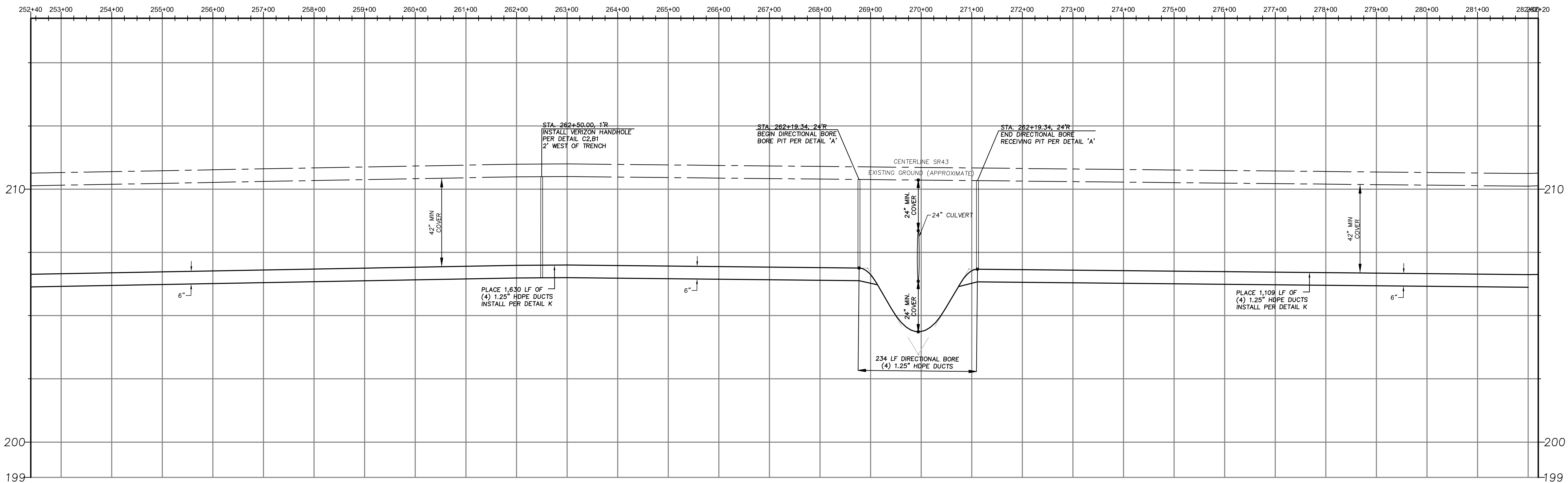
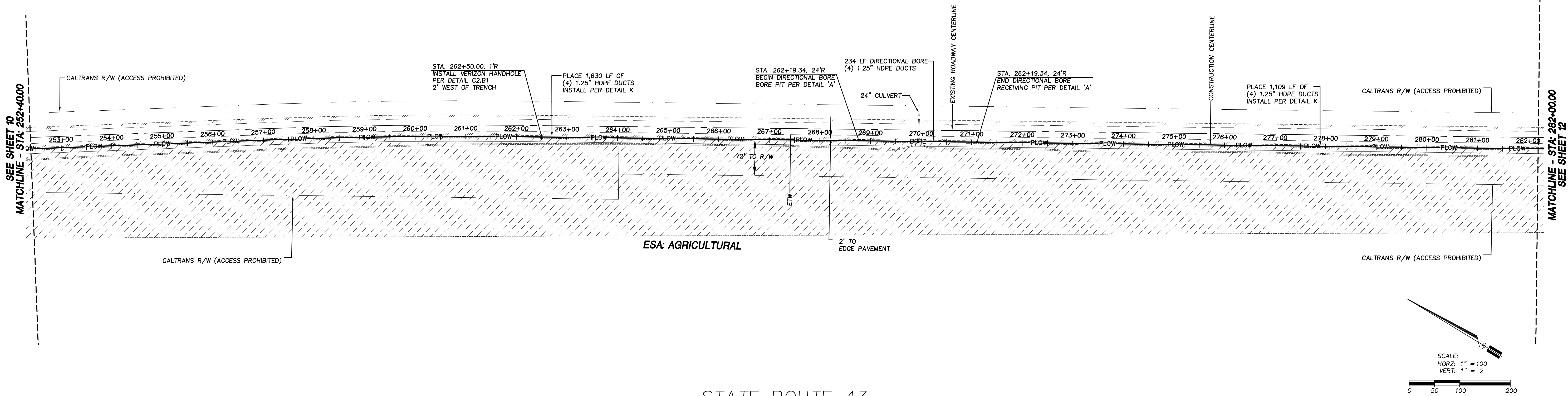
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of **24** Sheets

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RFP No. 13-57 - Addendum No. 3 - 07/31/2014

Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
6	KIN	43	254-10.36	11	24



LEGEND

PROPOSED WORK
—TR— PROPOSED TRENCH INSTALLATION
—BORE— PROPOSED DIRECTIONAL BORE
—4IN BORE— PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT

—PLOW— PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K

□ BORE PIT (SEE DETAIL A)
□ RECEIVING BORE PIT (SEE DETAIL A)
☒ PROPOSED HANDHOLE
PL PLACE (INSTALL NEW)

EXISTING FACILITIES
PP UTILITY POLE
MH MANHOLE
PED PEDESTAL
F/H FIRE HYDRANT
WV VALVE
SIG TRAFFIC SIGNAL
SL STREET LIGHT
MTR METER

—(E)— ELECTRIC
—(T)— TELEPHONE
—(G)— GAS
—(SD)— STORM DRAIN
—(W)— WATER
—(RR)— IRRIGATION LINE
—(SS)— SANITARY SEWER
—(C)— CENTERLINE
—(RW)— RIGHT OF WAY
—(EP)— EDGE OF PAVEMENT
—(CG)— CURB & GUTTER
—(R)— RAILROAD

C/L CENTER LINE
R/W RIGHT OF WAY
EP EDGE OF PAVEMENT
C&G CURB & GUTTER
R/R RAILROAD
CRZ CLEAR RECOVERY ZONE
BCF BEHIND CURB FACE
FCF FROM CURB FACE
CONC CONCRETE
EX EXISTING
BP BORE PIT
RP RECEIVING PIT
TR TRENCH

U/G UNDERGROUND
S/W SIDEWALK
D/W DRIVEWAY
ETW EDGE OF TRAVEL WAY
NB NORTH BOUND LANES
SB SOUTH BOUND LANES
STL STREET LIGHT
HPG HIGH PRESSURE GAS
CLR CLEAR

EXISTING UTILITIES NOT POSITIVELY LOCATED

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Ref. & Rev.

CALTRANS PERMIT NO.

APPLICANT:
CVIN
CENTRAL VALLEY
INDEPENDENT NETWORK

AGENCY/CITY:
**CALTRANS
DISTRICT 6**

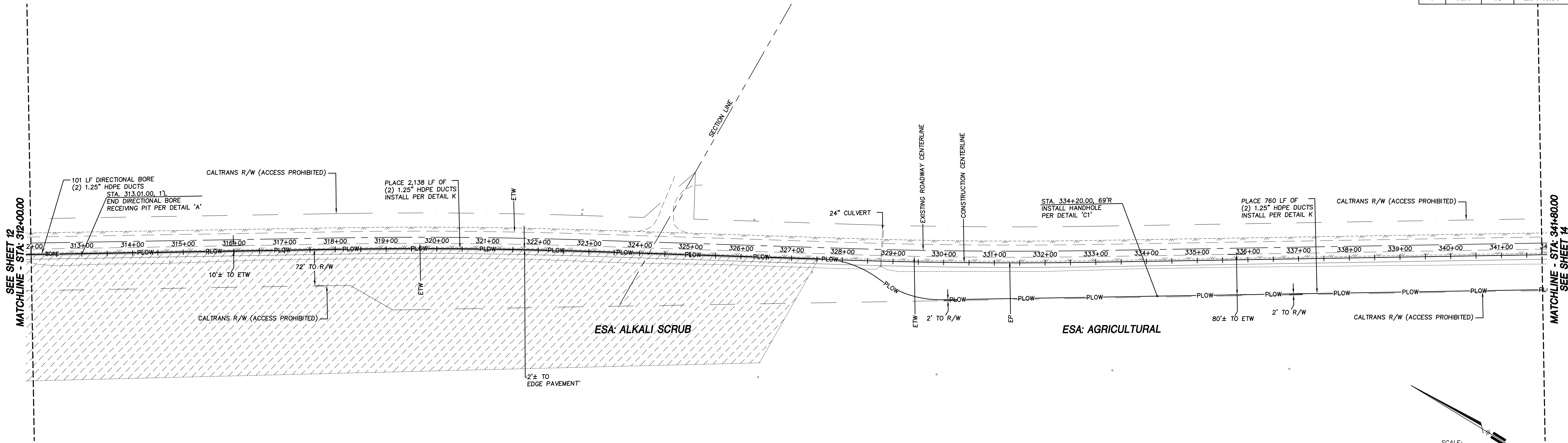
PERMIT TRACKING NUMBER:
06-11-888-0883
LOCATION:
SR 43 BETWEEN KANSAS AVE & ORANGE

Dr. By: JP
Ch. By: DH
Date: 06/28/12
Scale: As Noted

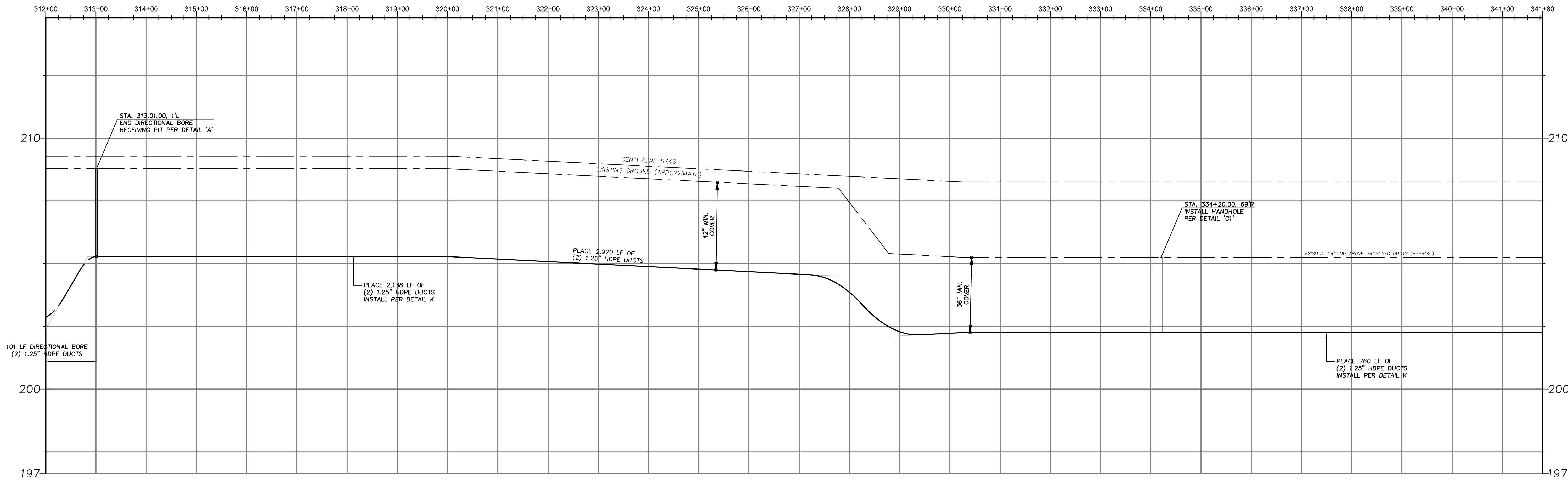
YH Job No. 12-132
Sheet No. 11
of 24 Sheets

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Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
6	KIN	43	2.54-10.36	13	24

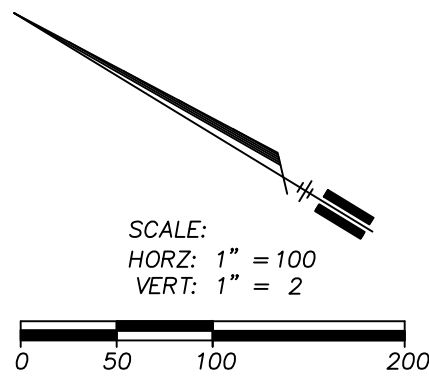
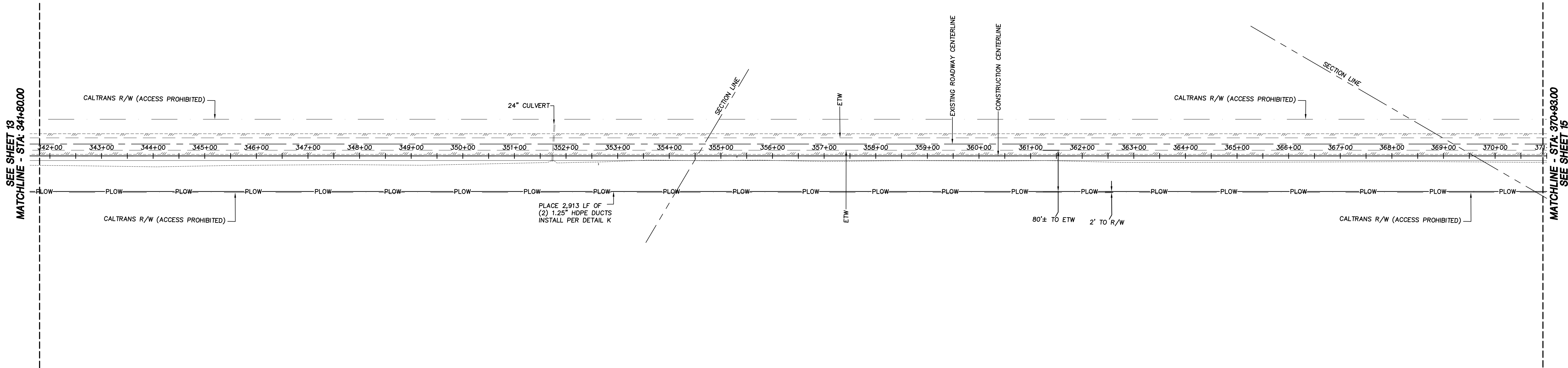


STATE ROUTE 43

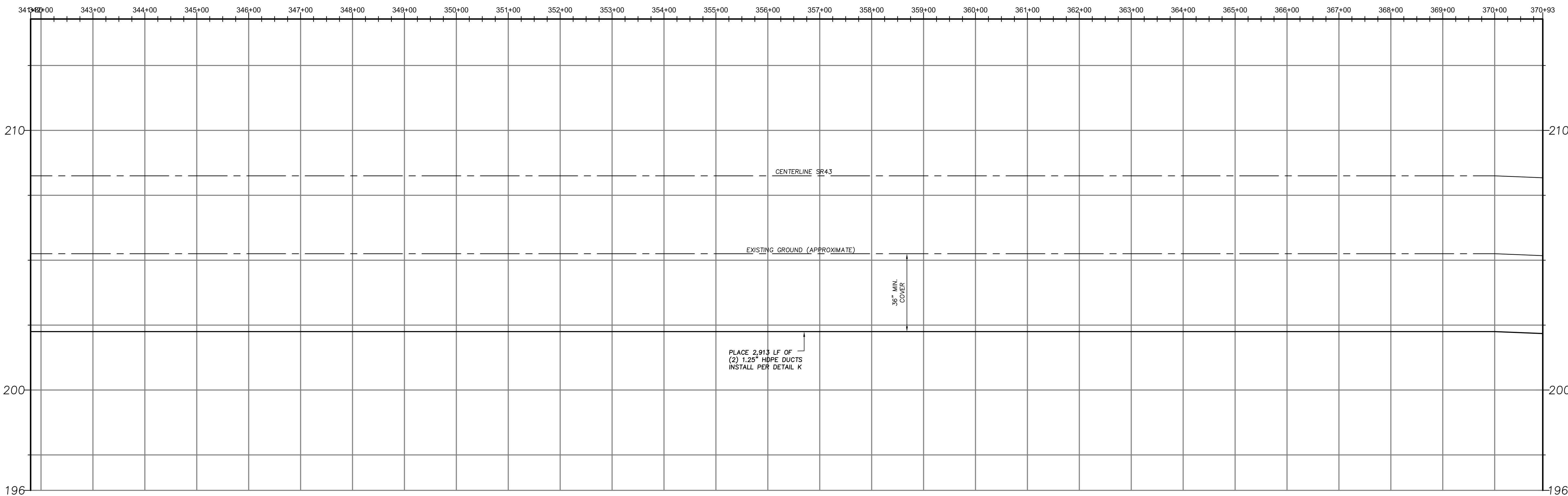


LEGEND	PROPOSED WORK —TR— PROPOSED TRENCH INSTALLATION —BORE— PROPOSED DIRECTIONAL BORE —4IN BORE— PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT —PLOW— PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K □ BORE PIT (SEE DETAIL A) □ RECEIVING BORE PIT (SEE DETAIL A) □ PROPOSED HANDHOLE PL PLACE (INSTALL NEW)	EXISTING FACILITIES PP UTILITY POLE MH MANHOLE PED PEDESTAL F/H FIRE HYDRANT WV VALVE SIG TRAFFIC SIGNAL SL STREET LIGHT MTR METER	(E) ——— ELECTRIC (T) ——— TELEPHONE (G) ——— GAS (SD) ——— STORM DRAIN (W) ——— WATER (RR) ——— IRRIGATION LINE (SS) ——— SANITARY SEWER —(C)— CENTERLINE —(RW)— RIGHT OF WAY —(EP)— EDGE OF PAVEMENT —(CG)— CURB & GUTTER —(RZ)— CLEAR RECOVERY ZONE —(BCF)— BEHIND CURB FACE —(FCF)— FROM CURB FACE CONC CONCRETE EX EXISTING BP BORE PIT RP RECEIVING PIT TR TRENCH	C/L CENTER LINE R/W RIGHT OF WAY EP EDGE OF PAVEMENT C&G CURB & GUTTER R/R RAILROAD CRZ CLEAR RECOVERY ZONE BCF BEHIND CURB FACE FCF FROM CURB FACE CONC CONCRETE EX EXISTING BP BORE PIT RP RECEIVING PIT TR TRENCH	U/G UNDERGROUND S/W SIDEWALK D/W DRIVEWAY ETW EDGE OF TRAVEL WAY NB NORTH BOUND LANES SB SOUTH BOUND LANES STL STREET LIGHT HPG HIGH PRESSURE GAS CLR CLEAR	EXISTING UTILITIES NOT POSITIVELY LOCATED	CALTRANS PERMIT NO.	APPLICANT: AGENCY/CITY: CALTRANS DISTRICT 6 SYSTEM MAP #— PERMIT TRACKING NUMBER: 06-11-688-0883 LOCATION: SR 43 BETWEEN KANSAS AVE & ORANGE	Dr. By: JP Ch. By: DH Date: 06/28/12 Scale: As Noted	YH Job No. 12-132 Sheet No. 13 of 24 Sheets
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Dist	County	Route	Postmile Total Project	Sheet No.	Total Sheets
6	KIN	43	254-10.36	14	24



STATE ROUTE 43



LEGEND

PROPOSED WORK

TR

BORE

4IN BORE

PLOW

PROPOSED TRENCH INSTALLATION

PROPOSED DIRECTIONAL BORE

PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT

PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K

BORE PIT (SEE DETAIL A)

RECEIVING BORE PIT (SEE DETAIL A)

PROPOSED HANDHOLE

PLACE (INSTALL NEW)

EXISTING FACILITIES

PP

MH

PED

F/H

WV

SIG

SL

MTR

UTILITY POLE

MANHOLE

PEDESTAL

FIRE HYDRANT

VALVE

TRAFFIC SIGNAL

STREET LIGHT

METER

(E)

(T)

(G)

(SD)

(W)

(RR)

(SS)

=====

+++++

ELECTRIC

TELEPHONE

GAS

STORM DRAIN

WATER

IRRIGATION LINE

SANITARY SEWER

CENTERLINE

RIGHT OF WAY

EDGE OF PAVEMENT

CURB & GUTTER

RAILROAD

C/L

R/W

EP

C&G

R/R

CRZ

BCF

FCF

CONC

EX

BP

RP

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CENTER LINE

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EDGE OF PAVEMENT

CURB & GUTTER

RAILROAD

CLEAR RECOVERY ZONE

BEHIND CURB FACE

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CONCRETE

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BORE PIT

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TRENCH

U/G

S/W

D/W

ETW

NB

SB

STL

HPG

CLR

UNDERGROUND

SIDEWALK

DRIVEWAY

EDGE OF TRAVEL WAY

NORTH BOUND LANES

SOUTH BOUND LANES

STREET LIGHT

HIGH PRESSURE GAS

CLEAR

EXISTING UTILITIES NOT POSITIVELY LOCATED

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APPLICANT:

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CENTRAL VALLEY
INDEPENDENT NETWORK

AGENCY/CITY:

CALTRANS
DISTRICT 6

PERMIT TRACKING NUMBER:

06-11-888-0883

LOCATION:

SR 43 BETWEEN KANSAS AVE & ORANGE

SYSTEM MAP #:

Dr. By: JP

Ch. By: DH

Date: 06/28/12

Scale: As Noted

YH Job No. 12-130

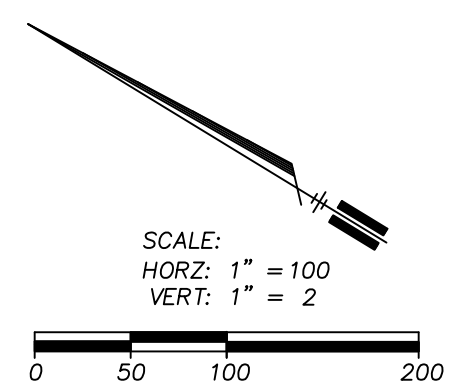
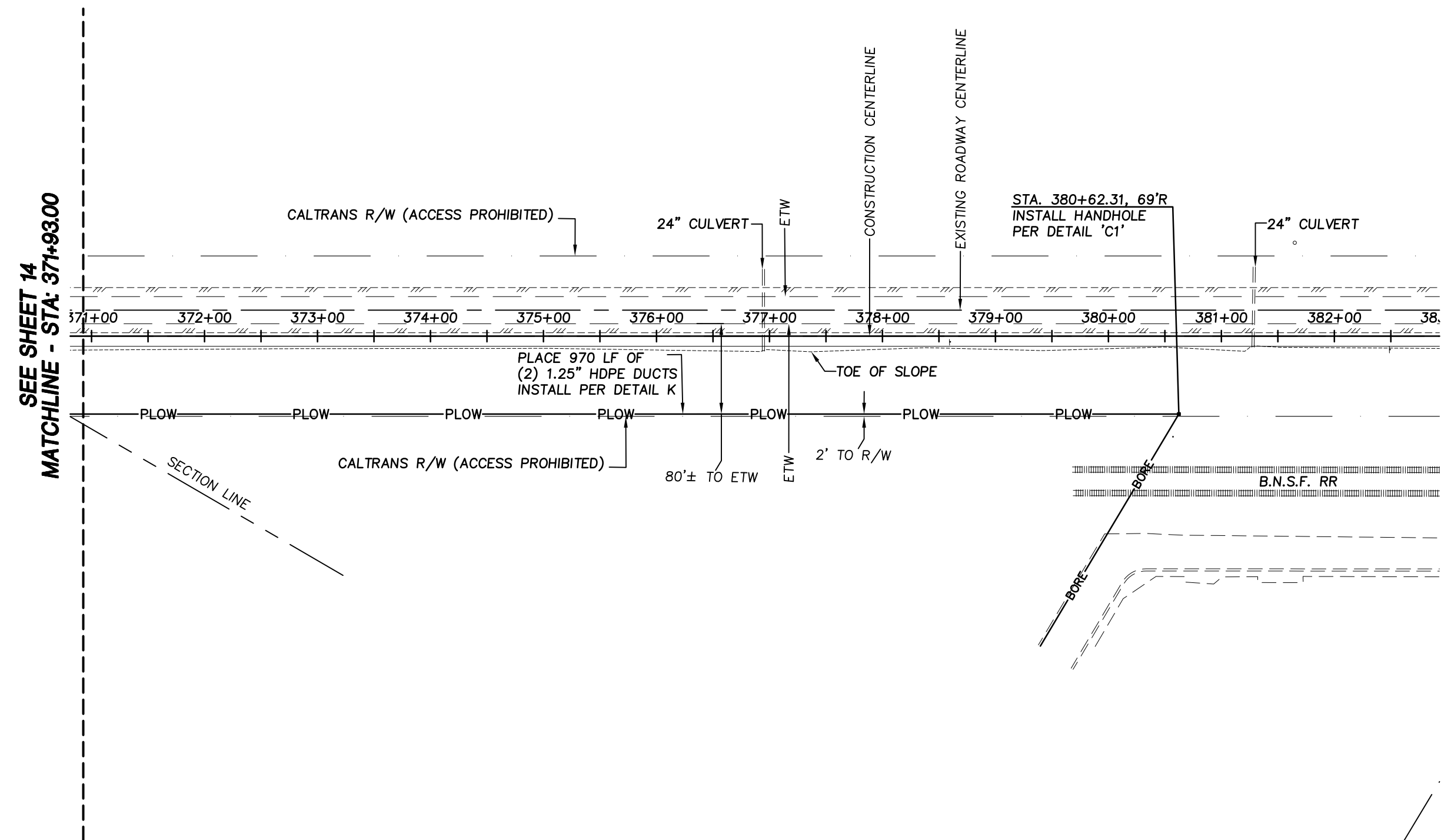
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of 24 Sheets

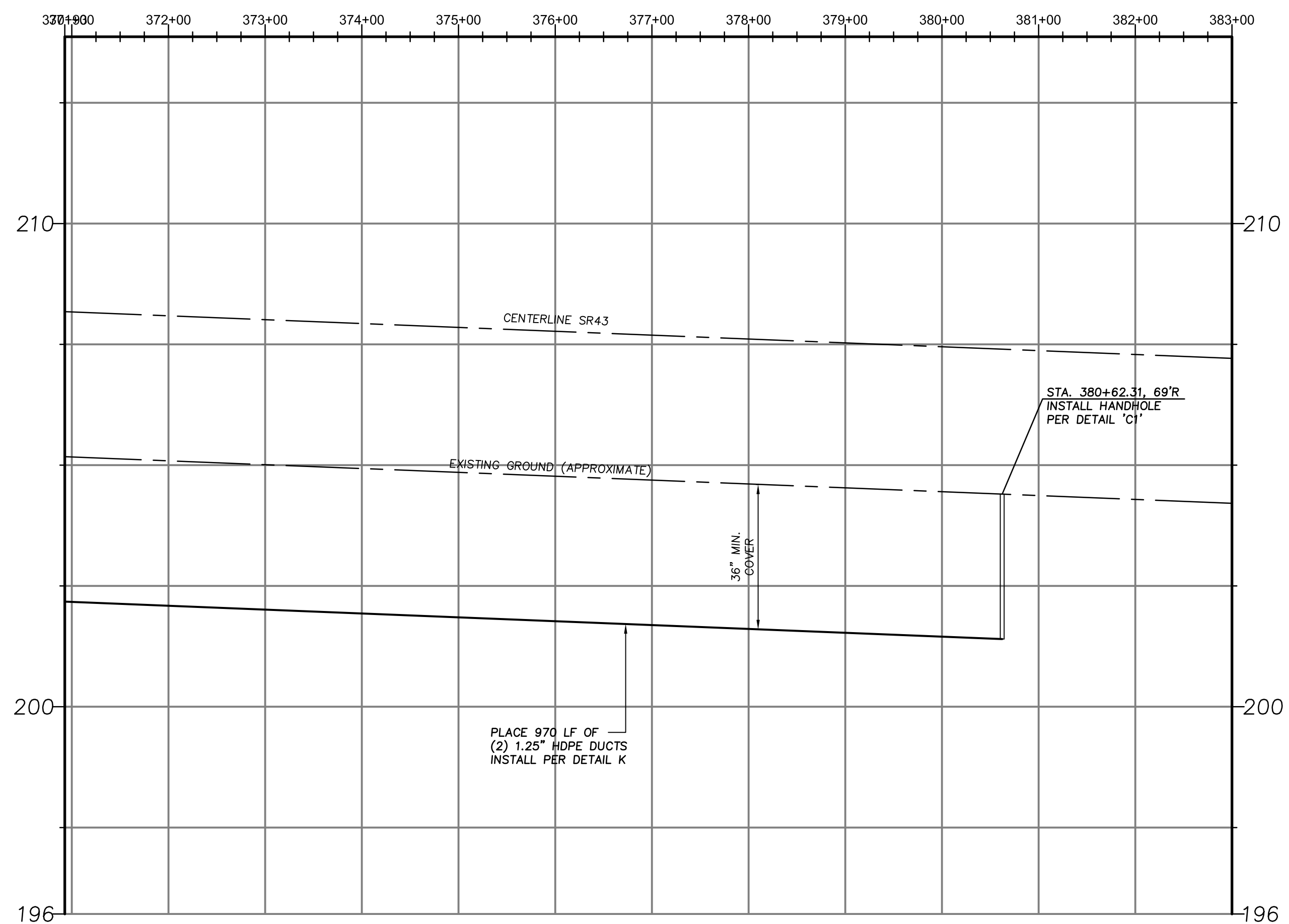
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RFP No. 13-57 - Addendum No. 3 - 07/31/2014

<i>Dist</i>	<i>County</i>	<i>Route</i>	<i>Postmile Total Project</i>	<i>Sheet No.</i>	<i>Total Sheets</i>
6	KIN	43	254-10.36	15	24



STATE ROUTE 43



LEGEND	PROPOSED WORK		EXISTING FACILITIES		--- (E) --- ELECTRIC --- (T) --- TELEPHONE --- (G) --- GAS --- (SD) --- STORM DRAIN --- (W) --- WATER --- (IRR) --- IRRIGATION LINE --- (RR) --- RAILROAD --- (SS) --- SANITARY SEWER --- (C) --- CENTERLINE --- (R/W) --- RIGHT OF WAY --- (EP) --- EDGE OF PAVEMENT --- (C&G) --- CURB & GUTTER --- (R/R) --- RECEIVING PIT --- (TR) --- TRENCH		U/G UNDERGROUND S/W SIDEWALK D/W DRIVEWAY ETW EDGE OF TRAVEL WAY NB NORTH BOUND LANES SB SOUTH BOUND LANES STL STREET LIGHT HPG HIGH PRESSURE GAS CLR CLEAR		<div style="display: flex; justify-content: space-between;"> <div> <p>PROPOSED TRENCH INSTALLATION</p> <p>PROPOSED DIRECTIONAL BORE</p> <p>PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT</p> <p>PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K</p> <p>BORE PIT (SEE DETAIL A)</p> <p>RECEIVING BORE PIT (SEE DETAIL A)</p> <p>PROPOSED HANDHOLE</p> <p>PLACE (INSTALL NEW)</p> </div> <div> <p>PP UTILITY POLE</p> <p>MH MANHOLE</p> <p>PED PEDESTAL</p> <p>F/H FIRE HYDRANT</p> <p>WV VALVE</p> <p>SIG TRAFFIC SIGNAL</p> <p>SL STREET LIGHT</p> <p>MTR METER</p> </div> </div>									
	<p>TR</p> <p>BORE</p> <p>4IN BORE</p> <p>PLOW</p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p>PL</p>		<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p> <p><input type="checkbox"/></p>						<div style="display: flex; justify-content: space-between;"> <div> <p>PROPOSED TRENCH INSTALLATION</p> <p>PROPOSED DIRECTIONAL BORE</p> <p>PROPOSED DIRECTIONAL BORE WITH 4" HDPE ENCASEMENT</p> <p>PROPOSED CONDUIT INSTALLATION BY MEANS OF PLOWING, SEE DETAIL K</p> <p>BORE PIT (SEE DETAIL A)</p> <p>RECEIVING BORE PIT (SEE DETAIL A)</p> <p>PROPOSED HANDHOLE</p> <p>PLACE (INSTALL NEW)</p> </div> <div> <p>PP UTILITY POLE</p> <p>MH MANHOLE</p> <p>PED PEDESTAL</p> <p>F/H FIRE HYDRANT</p> <p>WV VALVE</p> <p>SIG TRAFFIC SIGNAL</p> <p>SL STREET LIGHT</p> <p>MTR METER</p> </div> </div>									